IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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SERIAL NO.: 10/521,922 ART UNIT: 1645

FILED: August 29, 2005 EXAMINER: Gangle, B. J.

TITLE: SPECIFIC ISOTYPE ANTIBODIES OF SECRETION-EXCRETION ANTI-ANTIGENS OF LEISHMANIA SP OF PROMASTIGOTE OR AMASTIGOTE FORMS,

etc...

Amendment B: CLAIM AMENDMENTS

Claims 1 - 15 (canceled).

16. (New) A composition for inducing pathways leading to lysis of amastigotes and promastigotes of Leishmania sp. in vitro, through activation of a complement cascade and inducing pathways leading to neutralization of proliferation of said amastigotes and promastigotes of Leishmania sp., in dogs immunized with a vaccine complex, said composition comprising:

immunoglobulins of IgG₂, being linked to cell-mediated immunity depending on T lymphocytes of the Thl type, said immunoglobulins being specific to an epitope, said epitope being located in a carboxyterminal part of Protein Surface Antigens A313, 1A1, W2 and 2G1 or in sequence 133A and being excreted-secreted by amastigotes and promastigotes of Leishmania sp.

17. (New) The composition of Claim 16, said immunoglobulins being markers for immunotherapy in leishmaniases and infections by pathogenic intracellular micro-organisms in mammals.

18. (New) A method for distinguishing between infected dogs and immunized dogs, comprising the steps of:

forming a composition according to Claim 16;

marking cell-mediated immunity by said immunoglobulins; and

detecting cell-mediated immunity depending on T lymphocytes and preferably T lymphocytes of the Th1 type in mammals.

19. (New) A method for distinguishing between infected dogs and immunized dogs, said method comprising the steps of:

forming a composition according to Claim 16;

marking resistance to leishmaniasis by said immunoglobulins; and

marking resistance to infections by pathogenic intracellular micro-organisms in mammals by said immunoglobulins.

20. (New) A method for detecting infected dogs, said method comprising the steps of:

forming a composition of Claim 16;

marking immunoprophylactic and immunotherapeutic vaccination in mammals for leishmaniases by said immunoglobulins; and

marking infections of pathogenic intracellular micro-organisms by said immunoglobulins.

21. (New) A method for diagnosing dogs, said method comprising the steps of:

forming a composition according to Claim 16 in vitro; and

detecting one or more epitopes carried by terminal ends NH₂ and COOH of said Protein Surface Antigens excreted-secreted by *Leishmania sp.*